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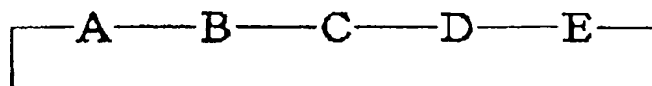
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TITLE : CYCLIC PENTAPEPTIDE



ABSTRACT : PURPOSE: To obtain new subject peptide comprising a specific cyclic pentapeptide and having promoting action on the activation of plasminogen, and useful as a thrombolytic agent or an antiarteriosclerotic agent and used for treating diseases such as thrombosis, arteriosclerosis, angina pectoris and myocarditis.

CONSTITUTION: This new cyclic pentapeptide is represented by the formula (A is Val, Leu, Phe, Lys, Arg, etc.; B is Leu, Val, Phe, Lys, Arg, etc.; C is Leu, Val, Phe, Lys, etc.; D is Phe, Val, Leu, Tyr, Lys, etc.; E is Arg, Val, Leu, Phe, Lys, etc.) and has promoting action on the activation of plasminogen and is useful as a thrombolytic agent, an antiarteriosclerotic agent, etc. The cyclic peptide is obtained by synthesizing a linear pentapeptide by means of fixing method using a 2-chlorotrityl chloride-resin on the basis of Fmoc (9-fluorenylmethoxycarbonyl) chemistry and then carrying out cyclization reaction of the peptide and further deprotecting the resultant peptide.

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